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(71)Applicant : XCELLSIS GMBH

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(72)Inventor : BLASZCZYK JANUSZ  
FLECK WOLFRAM  
KEDDIE COLIN  
LAIRD ROBERT

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(54) DEVICE FOR HUMIDIFYING GAS FLOW AND METHOD THEREFOR AND USE OF THE SAME DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide device and method humidifying gas flow suitable to use at a low temperature by reducing cost.

SOLUTION: This device is provided with a means for atomizing liquid in a gas supply line and a means for heating the liquid to humidify gas flow. The atomizing means is provided with in an atomizing chamber, a heat exchanger area for at least partially evaporating liquid is arranged adjacently to the atomizing chamber and the heat exchanger area has a plurality of flow passages for gas flow to be humidified. In the flow passages, at least partial ranges are fixed by the heated surface of heat exchanger to condense and evaporate liquid.

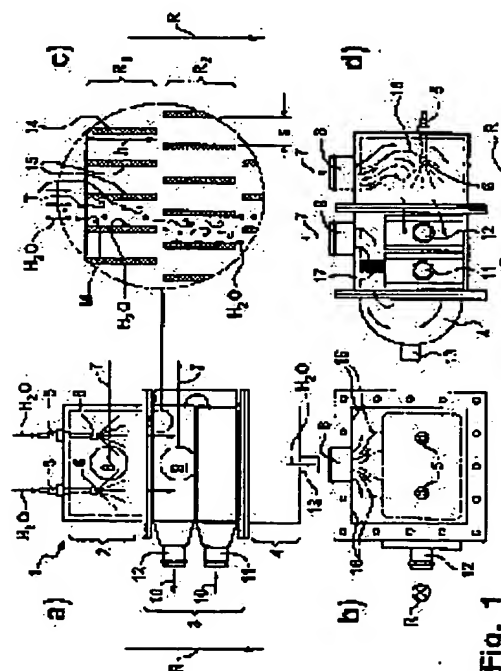


Fig. 1

## LEGAL STATUS

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